

CONTRACT REQUESTS FORM (CRF)

CEC-94 (Revised 5/11)

CALIFORNIA ENERGY COMMISSION


☒ New Contract _____ ☐ Amendment to Existing Contract: _____ Amendment Number: _____

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	David Effross	47	327-1314	6/26/2008

Contractor's Legal Name	Federal ID Number
The Regents of the University of California on behalf of the UC Riverside Campus	94-3067788

Title of Project
Production of Substituted Natural Gas from the Wet Organic Waste by Utilizing PDU-Scale Steam Hydrogasification

Term	Start Date	End Date	Amount
New/Original Contract	10/10/2011	10/31/2012	\$ 649,214.00

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount

Business Meeting Information

Proposed Business Meeting Date	8/24/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	David Effross	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-11-004 with The Regents of the University of California on behalf of the UC Riverside campus in the amount of \$649,214.00 to investigate production of substituted natural gas from the wet organic waste by utilizing the PDU-Scale Steam Hydrogasification Process. (PIER natural gas funding.) Contact: David Effross (5 minutes)

Business Meeting approval is not required for the following types of contracts: *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☐ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable

This agreement will co-fund the further development of a promising new waste-to-energy technology known as the Steam Hydrogasification Reaction (SHR) process, which has been demonstrated successfully for the production of clean syngas at the Process Demonstration Unit (PDU) scale by UC Riverside's College of Engineering - Center for Environmental Research and Technology (CE-CERT) for the Energy Commission's PIER program.

A PDU scale bubbling fluidized bed SHR, which was developed with previous PIER program support, will be extended to produce the SNG. This task will include: (1) the design, construction and integration of the Water Gas Shift reaction (WGS) with the capacity to handle the producer gas of the SHR, and (2) modification of the feedstock input system to increase the range of feedstock from biosolids to other types of wet feedstock such as food wastes and green waste.

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**California Environmental Quality Act (CEQA) Compliance**

1. Is Contract considered a "Project" under CEQA?

☒ Yes: skip to question 2☐ No: complete the following (PRC 21065 and 14 CCR 15378):

Explain why contract is not considered a "Project":

2. If contract is considered a "Project" under CEQA:

☒ a) Contract **IS** exempt. (Draft NOE required)☐ Statutory Exemption. List PRC and/or CCR section number: _____☒ Categorical Exemption. List CCR section number: 14 CCR 15303, 14 CCR 15306☒ Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section:

The project involves integration of a water gas shift reactor with a pre-existing steam hydrogasification reactor, in addition to engineering design and feedstock evaluation activities that do not have the potential to cause a significant environmental impact.

☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.

Budgets Information

Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	11-12	\$649,214	Yes	NG	10-11	501.001	\$649,214
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$		\$					\$
PIER - NG	\$649,214		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$649,214	TOTAL:	\$649,214		TOTAL:			\$649,214
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer

Name: Gillian Fischer
 Address: 200 University Office Building
 University of California
 City, State, Zip: Riverside, CA 92521
 Phone/ Fax: 951-827-4816 / 951-827-4483
 E-Mail: Mayela.castillo@ucr.edu

Contractor's Project Manager

Name: Joseph Norbeck
 Address: Bourns Hall A221
 University of California Riverside
 City, State, Zip: Riverside, CA 92507
 Phone/ Fax: 909-781-5791 / 909-781-5790
 E-Mail: joseph.norbeck@ucr.edu

Contractor Is☐ Private Company (including non-profits)☒ CA State Agency (including UC and CSU)☐ Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)**Selection Process Used**☐ Solicitation Select Type Solicitation #: _____ # of Bids: _____ Low Bid? ☐ No ☐ Yes☐ Non Competitive Bid (Attach CEC 96)☒ Exempt Interagency

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**Civil Service Considerations**

- ☐ Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)
- ☒ Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)
- ☐ The Services Contracted:
- ☐ are not available within civil service
 - ☐ cannot be performed satisfactorily by civil service employees
 - ☐ are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system.
- ☐ The Services are of such an:
- ☐ urgent
 - ☐ temporary, or
 - ☐ occasional nature
- that the delay to implement under civil service would frustrate their very purpose.

Justification:

Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

Payment Method

- ☒ A. Reimbursement in arrears based on:
- ☐ Itemized Monthly
 - ☒ Itemized Quarterly
 - ☐ Flat Rate
 - ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain:

Retention

1. Is contract subject to retention? ☒ No ☐ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☐ No ☐ Yes

Justification of Rates

The overhead rates charged in this contract are the standard negotiated rates between the Energy Commission and the University of California. All other rates are standard published rates for the UC.

Disabled Veteran Business Enterprise Program (DVBE)

1. ☒ Not Applicable
2. ☐ Meets DVBE Requirements DVBE Amount:\$ _____ DVBE %: _____
- ☐ Contractor is Certified DVBE
 - ☐ Contractor is Subcontracting with a DVBE: _____
3. ☐ Requesting DVBE Exemption (attach CEC 95)

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?

If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

Is Contractor subcontracting any services?

If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:

Miscellaneous Contract Information

1. Will there be Work Authorizations? ☒ No ☐ Yes
2. Is the Contractor providing confidential information? ☒ No ☐ Yes
3. Is the contractor going to purchase equipment? ☐ No ☒ Yes
4. Check frequency of progress reports
- ☐ Monthly
 - ☒ Quarterly
 - ☐ _____
5. Will a final report be required? ☐ No ☒ Yes
6. Is the contract, with amendments, longer than a year? If yes, why? ☐ No ☒ Yes

The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.

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**The following items should be attached to this CRF**

1. Scope of Work, Attach as Exhibit A.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
2. Budget Detail, Attach as Exhibit B.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
3. CEC 96, NCB Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. Draft CEQA Notice of Exemption (NOE)	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
8. CEC 105, Questionnaire for Identifying Conflicts		<input checked="" type="checkbox"/> Attached
9. CEC 106, IT Component Reporting Form		<input checked="" type="checkbox"/> Attached

Contract Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.
See Business Meeting Information Section.

Presiding Policy Committee_____
Date_____
Associate Policy Committee_____
Date_____
Executive Director_____
Date